

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08238098
PUBLICATION DATE : 17-09-96

APPLICATION DATE : 20-12-95
APPLICATION NUMBER : 07331502

APPLICANT : UNITIKA LTD;

INVENTOR : HATTORI NORIKO;

INT.CL. : C12P 19/44 A61K 7/46 C07H 1/00 // C07H 15/203

TITLE : PRODUCTION OF PERFUME GLYCOSIDE

ABSTRACT : PURPOSE: To obtain a perfume glycoside for a sustained release fragrant component, etc., by reacting β -galactosidases with a mixture of a perfume such as L-menthol, cis-3-hexenol, anis alcohol and cinnamyl alcohol and a lactose.

CONSTITUTION: The objective perfume glycoside useful for a sustained release fragrant component is obtained in excellent productivity, economical efficiency and safety by dissolving a perfume such as L-menthol, cis-3-hexenol, anis alcohol and cinnamyl alcohol and a lactose or a lactose-containing substance in 5mM postassium phosphate buffer solution (pH7.0) containing 40vol.% acetonitrile, adding a fungus containing β -galactosidase [e.g. Escherichia coli N-4830-1/psl10 (FERM-P13907)] to the resultant solution, reacting at 30°C for 4hr, treating at 100°C for 5min to stop the reaction, distilling out the organic solvent under reduced pressure, removing unreacted substance and subjecting an aqueous layer fraction to column chromatography.

COPYRIGHT: (C)1996,JPO